

COLOR MEASURING APPARATUS AND COLOR CALIBRATING SYSTEM

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Inventor: KENTO DEI BINSENTO

Applicant: HEWLETT PACKARD CO

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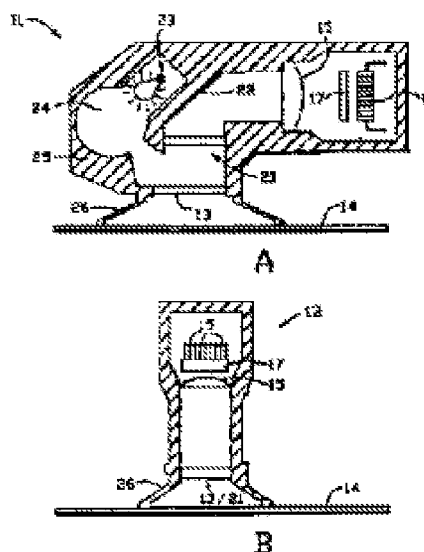
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Abstract of JP4276526

PURPOSE: To enable a compact instrument to effect high accuracy spectrophotometry and colorimetry operation by dispersing incident light with a variable wavelength light filter and constituting respective photosensor to receive narrow band light having the central wavelength of the light. **CONSTITUTION:** A variable wavelength light filter 17 disperses incident light from an object 14 on a light receiving surface. Also, the property of band of the filter 17 has a control frequency increasing monotonously as the positional coordinate increases in a direction of the light receiving surface. Respective photo. sensors in an array 19 are provide to receive the extremely narrow band light having the central wavelength of light received and converted in a position on the filter 17. The array 19 outputs a signal received from the light filter 17 by the photosensor. The signal is subjected to A/D conversion to be outputted to a color measuring means or the like for determining the color existing in the incident light received by the photosensor, so that the measurement and colorimetry are carried out with a compact apparatus.



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